

Title (en)
CONTINUOUS EXTRUSION APPARATUS

Title (de)
VORRICHTUNG ZUM KONTINUIERLICHEN STRANGPRESSEN

Title (fr)
APPAREIL D'EXTRUSION EN CONTINU

Publication
EP 0759819 A1 19970305 (EN)

Application
EP 96907574 A 19960315

Priority
• GB 9600647 W 19960315
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Abstract (en)
[origin: WO9629161A1] A tooling assembly for a continuous extrusion apparatus includes a die top (22) positioned in a shoe (8) arranged to be urged into contact with a rotating wheel (2) having a circumferential groove (26). An abutment body (24) is positioned as a sliding fit in a recess (30) provided in the die top (22) and is formed with a spine (44) arranged to project into the circumferential groove (26) and with shoulders (46) flanking the spine arranged to co-act with the cylindrical surface (50) of the wheel (2) adjacent an abutment face (48). The abutment face (48) lies in a plane inclined slightly to an axial plane through the wheel and the faces (34, 36) on the abutment body (24) seating on faces (38, 40) of the recess (30) are aligned such that forces arising during extrusion act to urge the abutment body (24) into the recess (30). Where the wheel (2) is formed with a plurality of circumferential grooves (26), either a corresponding plurality of abutment bodies (24) and associated recesses (30) in the die top (22) are provided or a composite abutment body (24) having spines (44) and shoulders (46) formed as lands intermediate the spines seating in a single recess in the die top is provided. The spine (44) and shoulders (46) are of a linear form, thereby facilitating manufacture. In addition, replacement of the abutment is greatly facilitated in comparison with previous arrangements in which the abutment was integral with, or bolted to, the die top (22).

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